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DALLAS SEMICONDUCTOR

DS9098P
iButton™ Retainer

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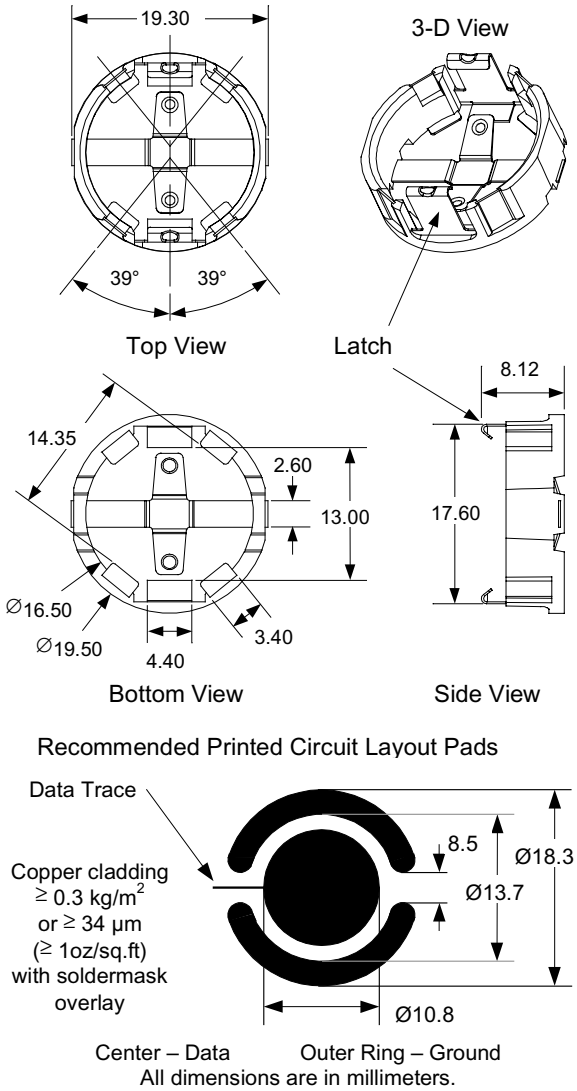
FEATURES

- Compact receptacle for F5 iButton mounting
- Fully backward-compatible to DS9098
- Contacts are stainless steel with selective tin-lead plating for optimal solderability to printed circuit board
- Retainer to iButton connection is stainless steel to stainless steel
- Withstands up to 250°C for surface mounting
- Double redundancy of contacts (2 plus 2)
- Contact force exceeds 200 grams for reliable connection
- Prevents reversed insertion
- At insertion, the iButton is latched for retention
- The iButton pops up for removal when latch is released
- Gentle deflection of latches allows removal of the iButton
- >25 insertion/withdrawal cycles with no performance degradation
- Compatible with standard pick and place equipment
- Cleaning fluids drain freely for quick clean up



ORDERING INFORMATION

DS9098P-TRL	Tape & Reel, 220 parts per 13 inch reel

DESCRIPTION

The DS9098P iButton Retainer is a low-cost, surface-mount device to secure an F5 iButton on a printed circuit board. It consists of three metal pieces (two for GROUND, one for DATA) molded into a body of black, heat-stabilized, 30% glass fiber reinforced Nylon 46.

When inserting an iButton into the DS9098P, closely align axis of the iButton and the retainer. The retainer then latches the flange of the iButton. At removal, limit deflection of retainer latches to just free the iButton edge from retained state. Avoid applying excess force to latches.

The DS9098P is only available on tape & reel. The tape specifications match those of 68-lead PLCC devices except for the deeper pockets and tape-feed sprockets on either side of the 44 mm tape. Alignment pedestals keep the part oriented on tape with the latches adjacent to the sprockets.